

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶: A61K 39/395, C07K 16/00, 16/18, 16/28, 16/46, C12N 5/10, 15/13, C12P 21/08	A1	(11) International Publication Number: WO 95/19790 (43) International Publication Date: 27 July 1995 (27.07.95)
(21) International Application Number: PCT/US95/01219 (22) International Filing Date: 25 January 1995 (25.01.95) (30) Priority Data: 08/186,269 25 January 1994 (25.01.94) US (60) Parent Application or Grant (63) Related by Continuation US 08/186,269 (CIP) Filed on 25 January 1994 (25.01.94) (71) Applicant (for all designated States except US): ATHENA NEUROSCIENCES, INC. [US/US]; 800 Gateway Boulevard, South San Francisco, CA 94080 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): BENDIG, Mary, M. [US/GB]; 53 Solent Road, West Hampsted, London NW6 1TX (GB). LEGER, Olivier, J. [FR/GB]; 24 Moxon Street, Barnet, Hertfordshire EN5 5TS (GB). SALDANHA, Jose [GB/GB]; 22A Lincoln Way, Enfield, Middlesex EN1 1TE (GB). JONES, Tarran, S. [GB/GB]; 10 The Close, Radlett, Hertfordshire WD7 8HA (GB).	(74) Agents: LIEBESCHUETZ, Joe et al.; Townsend and Townsend Khourie and Crew, 20th floor, Steuart Street Tower, One Market Plaza, San Francisco, CA 94105 (US). (81) Designated States: AU, CA, CN, FI, HU, JP, KR, MX, NO, NZ, PL, US, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>	
(54) Title: HUMANIZED ANTIBODIES AGAINST LEUKOCYTE ADHESION MOLECULE VLA-4		
(57) Abstract The invention provides humanized immunoglobulins that specifically bind to the VLA-4 ligand, and methods of treatment using the same. The methods are particularly useful for treatment of multiple sclerosis.		